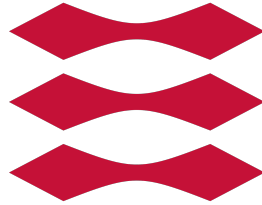


DTU



Introduction to Artificial Intelligence (Belief revision - Group 5) Group declaration

AUTHORS

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May 1, 2023

1 Declaring the parts of the group work

	Belief base:	Logical entailment:	Contraction:	Expansion:
Georgios Stamatopoulos	85%	30%	5%	5%
Mario Rojo Vicente	5%	30%	30%	15%
Karrar Adam Mahdi	5%	10%	5%	60%
Bence Kern	5%	30%	60%	20%

1.1 Mario Rojo Vicente

I implemented the revision for both expansion and contraction and realized several corrections on the entailment and the AGM postulates. I also developed several of the auxiliary functions spread through the code and participated in the redaction of the report both adding information and revising my peers work.

1.2 Bence Kern

After Georgios implemented the belief base and partly the entailment I was working on pruning further the entailment and the resolve function to eliminate any upcoming bugs and make the function work under each use case. In the next step, I started working on contraction and partly on its revision in order to make sure when a sentence is meant to be contracted we not only eliminate the sentence but any other ones that entail it. Then I continued my work on the AGM postulates regarding contraction. Last but not least, I helped out in the AGM postulates regarding the expansion of the belief base.

1.3 Georgios Stamatopoulos

I contributed to the project by helping with the design and implementation of the belief base, as well as the entailment. I started by creating the structure of the project and more specifically my implementation included, a command line interface to make use of the belief base, some examples for the syntax and the semantics used in order for the other members to understand how to add new information into the belief base, some helper functions to manipulate beliefs (e.g. `splitByOperator`, `getSymbols`). Then, after discussion with the other team members we concluded which data structures to use in the belief base. Finally, I started the entailment implementation and a couple of AGM postulates that my team reviewed, tested, and corrected because the results were not completely reliable.

1.4 Karrar Adam Mahdi

In the project of belief revision my part was to done one part of implement of expansion of belief base, as well as implement some of AGM postulates like success inclusion and expansionality related to the expansion of belief base. In addition to I have some help from the team member Mario, to show and implement the test part. The belief base was designed by Georgios. All team members were so cooperative and contribute to work on this project.